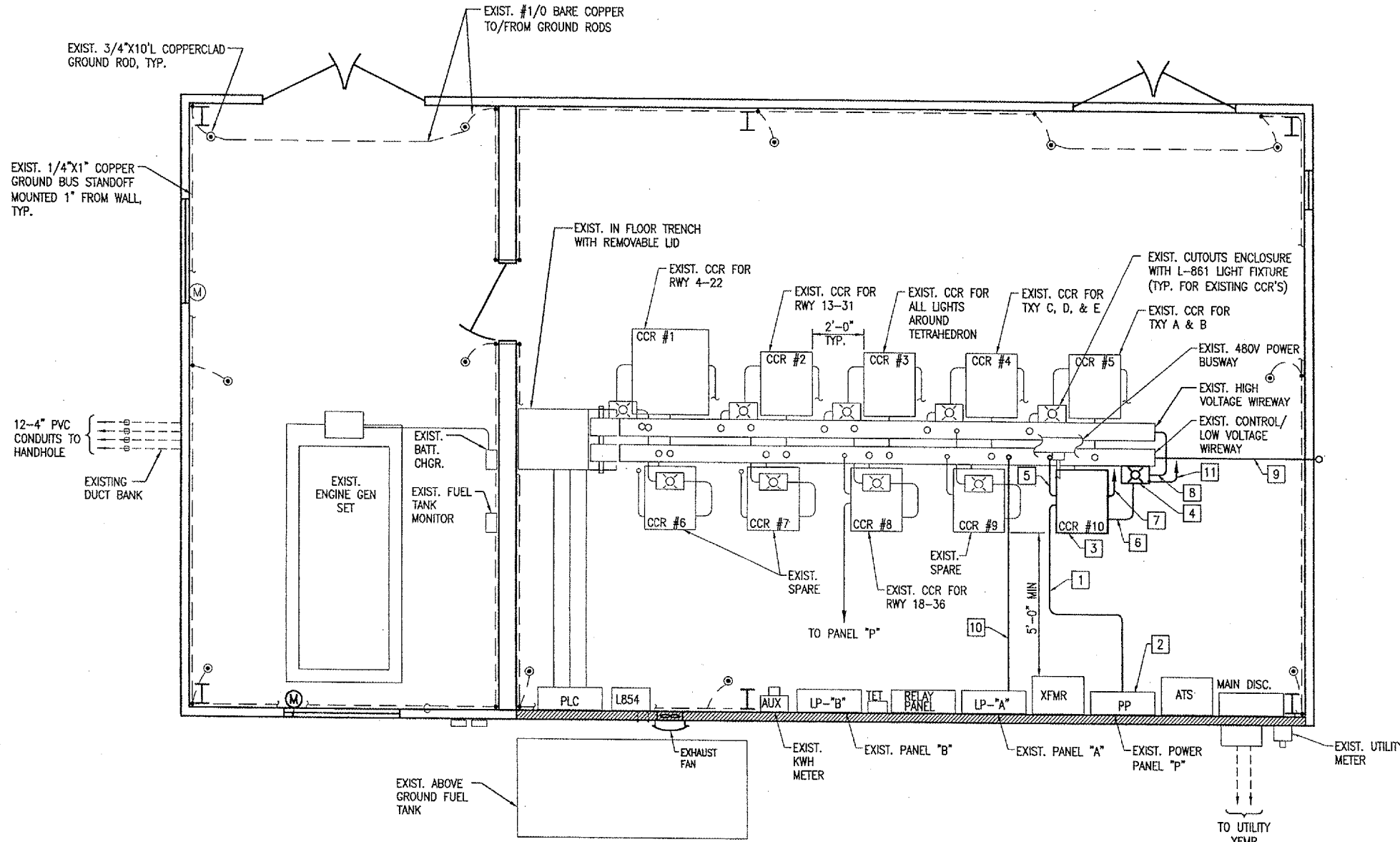


NOTES:

1. ALL VAULT WORK AND/OR POWER OUTAGES SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
2. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA70 (NEC MOST CURRENT ISSUE IN FORCE), THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE UL LISTING, ETL LISTING, OR OTHER THIRD PARTY LISTING AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.
3. CCR DENOTES CONSTANT CURRENT REGULATOR.
4. LIQUID TIGHT FLEXIBLE METAL CONDUIT AND ASSOCIATED FITTINGS SHALL BE U.L. LISTED TO MEET THE REQUIREMENTS OF NEC 350.6, SUITABLE FOR GROUNDING AND SUNLIGHT RESISTANT. LIQUID TIGHT FLEXIBLE METAL CONDUIT THAT IS USED FOR FLEXIBILITY (INCLUDING CONNECTIONS TO CCR'S & TRANSFORMERS) SHALL REQUIRE AN EXTERNAL BONDING JUMPER OR INTERNAL EQUIPMENT GROUNDING CONDUCTOR PER NEC 350.60. EXTERNAL BONDING JUMPERS USED WITH CCR INSTALLATIONS SHALL BE #6 AWG COPPER (MINIMUM). DO NOT INSTALL LIQUID TIGHT FLEXIBLE METAL CONDUIT THAT IS NOT UL LISTED.

KEYED NOTES:

- 1 2 #8 THWN, 1 #8 GND IN 3/4" GRSC WITH LIQ. TIGHT FLEX METAL CONDUIT AT FINAL CONNECTION TO CCR (480 VAC, 1 PHASE BRANCH CIRCUIT FROM POWER PANEL "P"). SEE NOTE 4.
- 2 SEE "VAULT ADDITIONS ONE LINE DIAGRAM" FOR NEW CIRCUIT BREAKER REQUIREMENTS FOR RESPECTIVE BRANCH CIRCUIT.
- 3 NEW CONSTANT CURRENT REGULATOR "CCR #10" FOR SUPPLEMENTAL WIND CONES.
- 4 SERIES PLUG CUTOUT CABINET WITH L-861 LIGHT FIXTURE. SEE DETAIL ON PROPOSED WIND CONE CONTROL SCHEMATIC SHEET. PROVIDE #6 AWG COPPER GND FROM ENCLOSURE FRAME TO VAULT GROUND BUS. PROVIDE ADEQUATE WORKING SPACE IN FRONT OF CUTOUT ENCLOSURE TO MEET NEC CLEARANCE REQUIREMENTS.
- 5 1 #12 THWN, 1 #12 NEUTRAL, 1 #12 GND IN 3/4" LIQ TIGHT FLEX METAL CONDUIT FROM LOW VOLTAGE WIREWAY TO CCR (PHOTOCELL CONTROL CIRCUIT). SEE NOTE 4.
- 6 2 #8 AWG FAA L-824 TYPE C, 5000V CABLES IN 1" LIQ. TIGHT FLEX METAL C. FROM CCR TO CUTOUT ENCLOSURE. SEE NOTE 4.
- 7 #6 AWG COPPER GROUND CONDUCTOR FROM CCR FROM TO VAULT GROUND BUS. CONNECT TO GROUND BUS WITH TWO-HOLE TONGUE COMPRESSION LUG.
- 8 2 #8 AWG FAA L-824 TYPE C, 5000V CABLES IN 1" GRSC WITH LIQ. TIGHT FLEX METAL C. AT FINAL CONNECTION TO SERIES PLUG CUTOUT CABINET (SUPPLEMENTAL WIND CONE LIGHTING CIRCUIT).
- 9 2 #12 THWN, 1 #12 NEUTRAL (PHOTOCELL WIRING) IN 3/4" GRSC TO JUST ABOVE ROOF LEVEL.
- 10 1 #12 THWN, 1 #12 NEUTRAL, 1 #12 GND IN 3/4" GRSC (120 VAC POWER FOR PHOTOCELL CONTROL CIRCUIT FROM PANEL "A").
- 11 #6 AWG COPPER GROUND CONDUCTOR FROM CUTOUT ENCLOSURE TO VAULT GROUND BUS. CONNECT TO GROUND BUS & CUTOUT ENCLOSURE WITH TWO-HOLE TONGUE COMPRESSION LUG.



ELECTRICAL VAULT FLOOR PLAN
 SCALE 3/8"=1'-0"
 2 0 2 4 FEET

BY	REVISION	DATE

QUINCY REGIONAL AIRPORT
 BALDWIN FIELD
 ADAMS COUNTY, ILLINOIS
 QUINCY REGIONAL AIRPORT
 BALDWIN FIELD
 ILL. PROJ.: UIN-3618
 A.L.P. PROJ.: 3-17-0085-XX

Proj. No. 824-06SWCD-0240	DATE 05/16/06
Drawn E-101.DWG	DATE 05/16/06
Scale 3/8" = 1'-0"	DATE 05/16/06
Date 05/19/06	DATE 05/16/06
LAYOUT	CAH
DRAWN	MV
REVIEWED	CAH

HANSON
 Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2886
 Offices Nationwide

INSTALL
 WIND CONES
 PROPOSED ELECTRICAL
 VAULT FLOOR PLAN